WHAT IS CLAIMED IS:

1. A peristaltic machine, comprising:

a hopper to store viscous material;

a flexibly deformable tubing section connected to said hopper for receiving viscous material from said hopper; and

a pair of rollers cooperating to compress said tubing section and thereafter to move forwardly along said tubing section such that the viscous material is forwardly propagated.

2. The peristaltic machine according to claim 1, further comprising:

a manifold connected between said hopper and said tubing section to transmit the viscous material there between;

a plurality of additional flexibly deformable tubing sections connected to said manifold for receiving viscous material,

wherein said pair of rollers cooperate to simultaneously compress all tubing sections and thereafter to move forwardly along each of the tubing sections to thereby forwardly propagate the viscous material.

3. The peristaltic machine according to claim 1, wherein said pair of cooperating rollers includes a primary roller and a secondary roller, the machine further comprising:

means for controlling the primary roller to cyclically move in a forward direction and a rearward direction about an oval travel path; and

means for controlling the secondary roller to cyclically move in the forward direction and the rearward direction about a linear travel path,

wherein said primary roller compresses said tubing section to said secondary roller during a first portion of the oval travel path and does not compress said tubing section during a second portion of the oval travel path.

4. The peristaltic machine according to claim 1, further comprising:

a flow control unit connected to a portion of said tubing section forward of said pair of rollers, said flow control unit alternately constricting and unconstricting the portion of said tubing section in synchronism with the forward movement by said pair of rollers.

5. The peristaltic machine according to claim 4, wherein said flow control unit continuously constricts the portion of said tubing section to closure until execution of the forward movement by said pair of rollers.

6. The peristaltic machine according to claim 4, wherein said flow control unit partially constricts said tubing section during execution of the forward movement by said pair of rollers and unconstricts said tubing section after completion of the forward movement to thereby draw back the viscous material in a reverse direction from an output end of said tubing section.

7. The peristaltic machine according to claim 1, further comprising:

a nozzle connected to an output end of said tubing section to shape the viscous material upon output from said tubing section.

8. The peristaltic machine according to claim 1, further comprising:

a carriage connected to an output end of said tubing section, wherein said carriage is controlled to move about a predetermined travel path to thereby direct an output location of the viscous material.

9. The peristaltic machine according to claim 9, wherein the predetermined travel path of said carriage is executed in synchronism with the forward movement by said plurality of rollers.

10. The peristaltic machine according to claim 8, further comprising:

a flow control unit mounted on said carriage and connected to a portion of said tubing section, said flow control unit alternately constricting and unconstricting the portion of said tubing section in synchronism with the forward movement by said plurality of rollers.

11. A peristaltic machine, comprising:

a machine body;

a flexibly deformable tubing section connected to said machine body, said tubing section configured and arranged to receive viscous material;

a peristaltic unit connected to said machine body, said peristaltic unit to compress a first portion of said tubing section and move compression of said tubing section forwardly from said first portion such that viscous material received within said tubing section is propagated forwardly; and

a carriage connected to an output end of said tubing section, wherein said carriage is controlled to move about a predetermined path with respect to said machine body to thereby direct an output location of the viscous material.

12. The peristaltic machine according to claim 11, wherein said peristaltic unit includes

a pair of rollers cooperating to compress said tubing section and to execute a travel path in a forward direction along said tubing section such that the viscous material is forwardly propagated.

13. The peristaltic machine according to claim 12, further comprising:

means for controlling the primary roller to move in an oval travel path; and

means for controlling the secondary roller to move in a linear travel path,

wherein said pair of rollers constrict said tubing section during a first portion of the oval travel path and do not constrict said tubing section during a second portion of the oval travel path.

14. The peristaltic machine according to claim 11, further comprising:

a flow control unit connected to a portion of said tubing section forward of said peristaltic unit, said flow control unit alternately constricting and unconstricting the portion of said

tubing section in synchronism with propagation of the viscous material by said peristaltic unit.

15. The peristaltic machine according to claim 14, wherein said flow control unit continuously constricts the portion of said tubing section to closure until propagation of the viscous material by said peristaltic unit.

16. The peristaltic machine according to claim 14, wherein said flow control unit partially constricts said tubing section during propagation of the viscous material by said peristaltic unit and unconstricts said tubing section after propagation of the viscous material by said peristaltic unit to thereby draw back the viscous material in a reverse direction from an output end of said tubing section.

17. A peristaltic machine, comprising:

a machine body;

a hopper connected to said machine body to store viscous material;

a manifold connected to said machine body and said hopper for receiving the viscous material;

a plurality of flexibly deformable tubing sections connected to said manifold for receiving the viscous material;

a peristaltic unit connected to said machine body, said peristaltic unit to simultaneously compress portions of each of said plurality of said tubing sections and to move each compressed portion forwardly to thereby forwardly propagate the viscous material within each of said tubing sections; and

a carriage connected to an output end of each of said tubing sections, wherein said carriage is controlled to move about a predetermined path with respect to said machine body, and to thereby direct simultaneous material output from each of said tubing sections.

18. The peristaltic machine according to claim 17, further comprising:

a flow control unit connected to said machine body and connected to each of said tubing sections forward of said peristaltic unit, said flow control unit alternately constricting and unconstricting each of said tubing sections in synchronism with propagation of the material by said peristaltic unit.

19. The peristaltic machine according to claim 18, wherein said flow control unit continuously constricts each of said sections until initiation of material propagation by said peristaltic unit.

20. The peristaltic machine according to claim 18, further comprising:

a draw back control unit mounted on said carriage and connected to output ends of each of said tubing sections, wherein said draw back control unit partially constricts said tubing sections during propagation of the material by said peristaltic unit and unconstricts each of said tubing sections after propagation of the material by said peristaltic unit to thereby draw back the viscous material in a reverse direction from the output ends of each of said tubing sections.